

Abstract

Central control unit for controlling the charging process of a battery that comprises:

- 5 - a charger circuit coupled to the battery;
- a circuit for conditionally prohibiting the charging process when predetermined conditions are met, the conditions comprise at least the condition of $T_B > T_{max}$, where T_B designates the actual temperature of the battery and T_{max} designates the highest permissible battery temperature, and the further condition when the
10 change of one of the battery current and voltage dI and dU decreases in a predetermined time period below a predetermined threshold level; and
- a restart circuit for restarting the conditionally prohibited charging, comprising a plurality of inputs through which respective restart signals can be received, wherein a precondition of any restart is that the temperature of the battery T_B
15 being lower than an acceptable predetermined temperature T_{ok} .

Fig. 1